

**Garant**
**Solid carbide end torus cutter HPC, TiAlN, Ø h9 DC: 6 mm**

**Order data**

Order number	206267 6
GTIN	4045197860729
Item class	11X

**Description**
**Version:**

Special centre cutting edge geometry for traverse milling at very high feed rates.

Tolerance: Corner radius  $R_1 = \pm 0.01$  mm.

**Application:**

**For copy and traverse milling** over the full range of hard machining **under HPC/HSC conditions.**

Using special milling strategies **very high rates of metal removal can be achieved.**

**Note:**

**Successor product to No. 206274.**

**Tools can be reground.**

No. of teeth Z: 4

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Dimension  $a_{p\ max}$  transverse: 0.4 mm

Programming radius: 1 mm

Flute length  $L_c$ : 3.5 mm

Overhang length  $L_1$  incl. recess: 28 mm

Recess  $\varnothing D_1$ : 5.2 mm

**Technical description**

Cutting edge $\varnothing D_c$	6 mm
Overall length L	100 mm
No. of teeth Z	4
Shank $\varnothing D_s$	6 mm
Overhang length $L_1$ incl. recess	28 mm

Flute length $L_c$	3.5 mm
Recess $\varnothing D_1$	5.2 mm
Programming radius	1 mm
Dimension $a_{p \max}$ transverse	0.4 mm
Feed $f_z$ in steel $< 900 \text{ N/mm}^2$	0.085 mm
Setting angle $\kappa$	12.5 degrees
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Tolerance nominal $\varnothing$	h9
Helix angle	15 degrees
Direction of infeed	horizontal and oblique
Cutting width $a_e$ for milling operation	Full slot cutting depth $1 \times D$
Shank	DIN 6535 HA to h5
Through-coolant	no
Machining strategy	HPC
Colour ring	green
Type of product	End mill

## Services

Shank grinding Type HB	129100 HB
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